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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XI, No. 9 — McKEE PRINT. — SEPTEMBER, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of September, 1963, averaged 84,794 barrels daily, a decrease of 434 barrels from the average August production of 85,228.

The nine refineries in State processed 80,614 barrels of crude oil daily for the month of September, 1963, a decrease of 1,181 barrels from the 81,795 barrels processed daily during the month of August, 1963.

During September, 31 wells were completed, 12 oil, 2 gas wells and 17 dry holes.

During September, the commission issued 38 permits to drill new wells, an increase of 2 from the 36 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1963

IN STORAGE SEPTEMBER 1st:	
By Producers	343,111
By Transporters	937,952
By Refiners	412,578
TOTAL STORAGE	1,693,641
Produced in Montana During Month	2,543,841
Imported During Month	1,424,441
TOTALS	5,661,923
DISPOSITION:	
Refined in Montana	2,418,420
Exported	1,620,752
Used for Fuel or Lost	1,221
TOTAL	4,040,393
IN STORAGE SEPTEMBER 30th:	
By Producers	348,051
By Transporters	888,150
By Refiners	385,329
TOTAL STORAGE	1,621,530

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1963

Field	M Cu. Ft.
Bears Den	1,058
Big Coulee	40,276
Bowdoin	57,746
Bowes	65,941
Cabin Creek	99,006
Cedar Creek	143,277
Cut Bank (including Reagan)	375,179
Devon	5,939
Dry Creek	53,931
Elk Basin	38,852
Flat Coulee	469
Gold Butte	2,136
Golden Dome	17,795
Grandview	2,103
Hardin	4,486
Keith Block	134,107
Kevin Sunburst	41,087
Pine	58,537
Plevna	14,351
Utopia	0
Whitlash	174,727
Miscellaneous	17,387
TOTAL	1,348,390

Total Withdrawals for September, 1962 were 1,560,542 M Cu. Ft.

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PRODUCERS REPORT—MONTH OF SEPTEMBER, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	763	2,000	.....	2,000	.....	763
5	Bannatyne	8	1,061	1,341	.....	1,370	.....	1,032
1	Bascom	1	162	401	384	.....	.....	179
4	Bear's Den	5	1,312	2,607	.....	2,466	.....	1,453
1	Belfry	1	122	413	.....	331	.....	204
1	Benrud	1	462	1,595	1,375	.....	.....	682
1	Benrud East	1	686	15,181	15,095	.....	.....	772
9	Big Wall	30	2,502	22,757	22,108	611	93	2,447
10	Blackfoot	15	2,607	8,598	4,653	4,247	.....	2,305
2	Border	4	55	864	.....	782	.....	137
1	Bowes	72	2,897	14,734	14,526	.....	.....	3,105
1	Brady	4	.....	436	436	.....	.....	.....
2	Bredette North	2	2,161	163	1,794	.....	.....	530
10	Cabin Creek	112	8,792	278,904	279,170	.....	.....	8,526
14	Cat Creek	95	3,424	20,839	20,238	.....	.....	4,025
1	Clark's Fork	1	244	96	.....	138	.....	202
1	Clark's Fork North	1	1,687	1,037	.....	731	.....	1,993
2	Conrad South	2	315	624	624	.....	.....	315
1	Cupton	1	483	1,031	.....	386	.....	1,128
147	Cut Bank	1,110	122,782	151,654	148,103	.....	43	126,290
3	Deer Creek	6	1,924	10,090	8,973	.....	.....	3,041
2	Delphia	2	990	651	.....	1,174	17	450
1	Devil's Basin	1	970	224	.....	.....	.....	1,194
3	Dry Creek	3	812	1,349	1,614	.....	.....	547
19	Dwyer	20	8,631	51,975	52,884	.....	4	7,718
9	Elk Basin	60	4,060	286,377	287,249	.....	.....	3,188
1	Fertile Prairie	1	709	1,566	1,857	.....	.....	418
4	Flat Coulee	21	3,583	33,311	.....	33,206	.....	3,688
2	Frannie	2	.....	1,704	1,704	.....	.....	.....
2	Fred & George Creek	2	.....	11,150	11,150	.....	.....	.....
1	Gage	1	719	433	743	.....	11	398
4	Gas City	26	4,055	69,382	63,536	2,313	.....	7,588
6	Glendive	11	968	30,699	30,456	.....	.....	1,211
7	Graben Coulee	16	3,312	8,108	6,883	.....	.....	4,537
4	Gypsy Basin	4	1,181	1,519	1,524	.....	.....	1,176
1	Hibbard	1	157	769	.....	793	.....	133
9	Ivanhoe	14	3,040	31,226	31,596	.....	.....	2,670
6	Keg Coulee	14	4,127	24,283	23,380	.....	.....	5,030
150	Kevin Sunburst	886	17,702	42,615	45,532	.....	169	14,616
2	Little Beaver	24	4,162	27,432	27,211	668	.....	3,715
4	Little Beaver East	20	3,866	26,830	27,084	.....	.....	3,612
3	Lone Tree	3	1,440	6,289	.....	5,652	.....	2,077
23	Lookout Butte	65	5,291	180,925	177,900	3,697	.....	4,619
....	Mackay Dome	.....	770	.....	.....	.....	.....	770
2	Melstone	4	684	3,699	3,131	.....	.....	1,252
6	Monarch	16	3,172	15,449	15,614	.....	.....	3,007
4	Mosser	4	.....	1,071	.....	1,071	.....	.....
1	Musselshell	1	412	129	.....	191	.....	350
7	Outlook	11	4,855	32,307	32,232	.....	.....	4,930
3	Outlook South	3	1,035	2,058	1,386	.....	.....	1,707
52	Pennel	87	5,026	208,136	206,668	.....	90	6,404
4	Pine	134	16,252	331,502	333,804	788	.....	13,162
75	Pondera	324	8,285	35,481	34,993	.....	.....	8,773
3	Pondera Coulee	3	.....	643	643	.....	.....	.....
5	Poplar East	84	14,411	124,516	127,118	.....	29	11,780
4	Poplar Northwest	5	1,691	1,956	2,697	.....	.....	950
6	Ragged Point	17	2,705	9,205	9,719	.....	.....	2,191
3	Reagan	49	2,968	18,434	18,698	.....	.....	2,704
9	Red Creek	23	3,233	46,700	44,706	1,596	.....	3,631
1	Redstone	1	239	923	1,030	.....	.....	132
1	Repeat	1	179	1,819	.....	1,760	.....	238
7	Richey	9	2,783	5,142	5,489	.....	.....	2,436
6	Richey Southwest	7	3,980	17,316	5,082	13,343	.....	2,871
4	Sand Creek	5	3,443	8,105	6,360	.....	.....	5,188
7	Sidney-Brorson	7	5,226	5,256	2,064	5,094	12	3,312
2	Snyder	4	1,818	339	.....	.....	30	2,127
6	Soap Creek	10	4,106	4,698	.....	4,321	.....	4,483
3	Spring Lake	4	1,794	10,414	.....	9,859	.....	2,349
2	Stensvad	25	5,156	42,110	41,761	.....	198	5,307
30	Sumatra	97	10,661	126,366	125,035	.....	.....	11,992
8	Tule Creek	8	2,567	62,196	61,941	.....	.....	2,822
1	Vida	1	.....	5,813	.....	5,202	.....	611
13	Whitlash	33	5,595	9,184	.....	8,128	.....	6,651
2	Whitlash West	2	120	652	.....	402	.....	370
9	Wolf Springs	17	2,910	14,176	12,630	.....	.....	4,456
4	Woodrow	6	669	6,109	5,926	.....	.....	852
1	Wildcat, Roosevelt Cty	1	388	928	.....	565	478	273
4	Wildcat, Sheridan Cty	4	1,762	16,827	.....	16,333	.....	2,256
776		3,680	343,111	2,543,841	2,408,509	129,218	1,174	348,051

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
July, 1963	2,591,716	83,603	2,621,409	84,561
August, 1963	2,642,082	85,228	2,633,731	84,959
September, 1963	2,543,841	84,794	2,537,727	84,590

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
July, 1963	337,235	860,694	421,154	1,619,083
August, 1963	343,111	937,952	412,578	1,693,641
September, 1963	348,051	888,150	385,329	1,621,530

*Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF SEPTEMBER, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,000				2,000		
BANNATYNE—Truck			1,370					1,370	
BEAR'S DEN—Truck			2,466					2,466	
BELFRY—Truck			331				331		
BIG WALL—McWood Corp.			611					611	
Glacier Pipe Line Co.		20,655				20,655			
		20,655	611			20,655		611	
BLACKFOOT—Union Oil Co.		4,653				591		4,062	
Truck			4,247					4,247	
		4,653	4,247			591		8,309	
BORDER—Truck			782					782	
BOWES—Texaco, Inc.		14,526				14,526			
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	288,345	875,926		652,244	410		1,527,760		288,345
Shell Pipe Line Corp.	5,007	360,499		658	(3,411)			362,800	6,775
Truck			21,955					21,955	
	293,352	1,236,425	21,955	652,902	(3,001)		1,527,760	384,755	295,120
CAT CREEK									
Glacier Pipe Line Co.		16,511	3,727			20,238			
CLARK'S FORK—Truck			869				869		
CUT BANK									
Darling Gathering System, Inc.	7,683	9,534						8,592	8,625
Glacier Pipe Line Co.				126,147		126,147			
Phillips Petroleum Co.	58,445	49,322		38,131	(257)	45,957		66,199	33,999
Texas Pipe Line Co.	30,540	20,316		51,244	7			75,695	26,198
Teton Pipeline Corp.	39,195	27,796		92,864	267			117,523	42,065
Union Oil Co.	65,856	70,757		38,094	541	107,359			66,807
	201,719	177,725		346,480	558	279,463		268,209	177,694
DELPHIA—Truck			1,174			1,174			
DRY CREEK—									
Marathon Pipe Line Co.	9,357	388			269				9,476
ELK BASIN—Marathon Pipeline Co.		284,990				284,990			
FLAT COULEE—Truck			33,206					33,206	
FRANNIE—Marathon Pipeline Co.		1,704					1,704		
GAGE—Glacier Pipe Line Co.		743				743			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipe Line Co.	3,640	51,717			(137)			51,721	3,773
HIBBARD—Truck			793			793			
IVANHOE—Glacier Pipe Line Co.		30,987				30,987			
KEG COULEE—									
Glacier Pipe Line Co.		23,376				23,376			
KEVIN SUNBURST—									
Big West Oil Co.	17,537	35,143		33,206		79,804			6,082
Homestake Oil & Gas Co.	5,205	2,708		8,292		10,727			5,478
Texas Pipe Line Co.	5,987	19,383			103			19,466	5,801
	28,729	57,234		41,498	103	90,531		19,466	17,361
LONE TREE—Truck			5,652				5,652		
MELSTONE—									
Glacier Pipe Line Co.		3,123				3,123			
MOSSER—Truck			1,071				1,071		
MUSSELSHELL—Truck			191			191			
PONDERA—Phillips Petr. Co.	20,314	38,407		59,812	(122)	104,420			14,235
POPLAR, BENRUD, BREDETTE, DWYER, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK—									
East Poplar Gathering System	30,924	252,337			122			268,610†	14,529
Hunt Petroleum Corp.		31,052					31,052		
	30,924	283,389			122		31,052	268,610	14,529
RAGGED POINT—									
Glacier Pipe Line Co.		9,428				8,396	1,032		
RED CREEK—Teton Pipeline Co.		50,786			508			50,278	
Mountain Crude			1,596	6,808				8,404	
		50,786	1,596	6,808	508			58,682	
SIDNEY-BRORSON									
McWood Corp.	3,854		5,094	1,649				4,596	6,001
SOAP CREEK—McWood Corp.	2,530		4,321		(129)				6,980
SPRING LAKE—Truck			9,859				9,859		
SUMATRA AND STENSVAD—									
Glacier Pipe Line Co.	343,533	164,949		241,247	1,885	133,721	271,142		342,961
VIDA—Truck			5,202			5,202			
WHITLASH—Truck			8,530			8,530			
WOLF SPRINGS—									
Glacier Pipe Line Co.		12,627				12,627			
WILDCAT WELLS—									
Sheridan and Roosevelt Counties			16,898				16,898		
TOTALS	937,952	2,484,343	131,945	1,350,396	56	1,044,277	1,869,370	1,102,783	888,150

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey and Southwest Richey.

†Transferred to Butte Pipeline Company.

Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF SEPTEMBER, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Petrofuels Ref. Co. Inc.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	20,655	.....	.....	.....	.....	.....	20,655
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	4,224	4,224
Border	.....	.....	.....	.....	.....	.....	.....	564	.....	564
Bowes	.....	.....	14,419	.....	.....	.....	.....	.....	.....	14,419
Cat Creek	.....	14,697	.....	2,808	.....	2,335	.....	.....	.....	19,840
Cut Bank	.....	.....	.....	.....	.....	.....	.....	91,754	75,047	166,801
Delphia	.....	.....	.....	.....	.....	1,189	.....	.....	.....	1,189
Devil's Basin	.....	.....	.....	.....	.....	273	.....	.....	.....	273
Dry Creek	.....	.....	.....	975	.....	.....	.....	.....	.....	975
Elk Basin	.....	117,349	.....	75,894	91,747	.....	.....	.....	.....	284,990
Flat Coulee	23,486	.....	.....	.....	.....	.....	.....	1,620	8,100	33,206
Fred & George Creek	11,150	.....	.....	.....	.....	.....	.....	.....	.....	11,150
Gage	.....	743	.....	.....	.....	.....	.....	.....	.....	743
Graben Coulee	.....	.....	.....	.....	.....	.....	.....	6,883	214	7,097
Gypsy Basin	.....	.....	.....	.....	.....	.....	.....	1,521	404	1,925
Hibbard	.....	.....	.....	.....	.....	930	.....	.....	.....	930
Ivanhoe	.....	5,669	.....	467	24,851	.....	.....	.....	.....	30,987
Keg Coulee	.....	2,671	.....	20,705	.....	.....	.....	.....	.....	23,376
Kevin Sunburst	45,532	.....	.....	.....	.....	.....	.....	.....	.....	45,532
Pondera	.....	.....	.....	.....	.....	.....	.....	38,066	.....	38,066
Poplar	.....	.....	.....	.....	32,889	.....	.....	.....	.....	32,889
Ragged Point	.....	753	.....	7,643	.....	.....	.....	.....	.....	8,396
Red Creek	.....	46,302	.....	.....	.....	.....	.....	.....	17,657	63,959
Richey, S.W.	.....	.....	.....	.....	.....	.....	7,210	.....	.....	7,210
Sumatra & Stensvad	.....	.....	.....	133,721	11,660	.....	.....	.....	.....	145,381
Vida	.....	5,202	.....	.....	.....	.....	.....	.....	.....	5,202
Whitlash	.....	.....	.....	.....	.....	.....	.....	8,530	.....	8,530
Wolf Springs	.....	.....	.....	.....	15,470	.....	.....	.....	.....	15,470
Total Montana Oil	80,168	193,386	14,419	262,868	176,617	4,727	7,210	148,938	105,646	993,979
Canadian Oil Imported	.....	92,611	.....	.....	14,560	.....	.....	.....	.....	107,171
Wyoming Oil Imported	.....	206,839	.....	318,650	788,470	3,311	.....	.....	.....	1,317,270
Total Montana, Canadian and Wyoming Oil	80,168	492,836	14,419	581,518	979,647	8,038	7,210	148,938	105,646	2,418,420

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,775	77,119
September, 1962	33,465	174	53,619	87,258
September, 1963	33,132	3,573	43,909	80,614

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
September, 1962	38.35%	.21%	61.44%
September, 1963	41.10%	4.44%	54.46%